

Gulf of Mexico Harmful Algal Bloom Bulletin

17 April 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: April 10, 2006

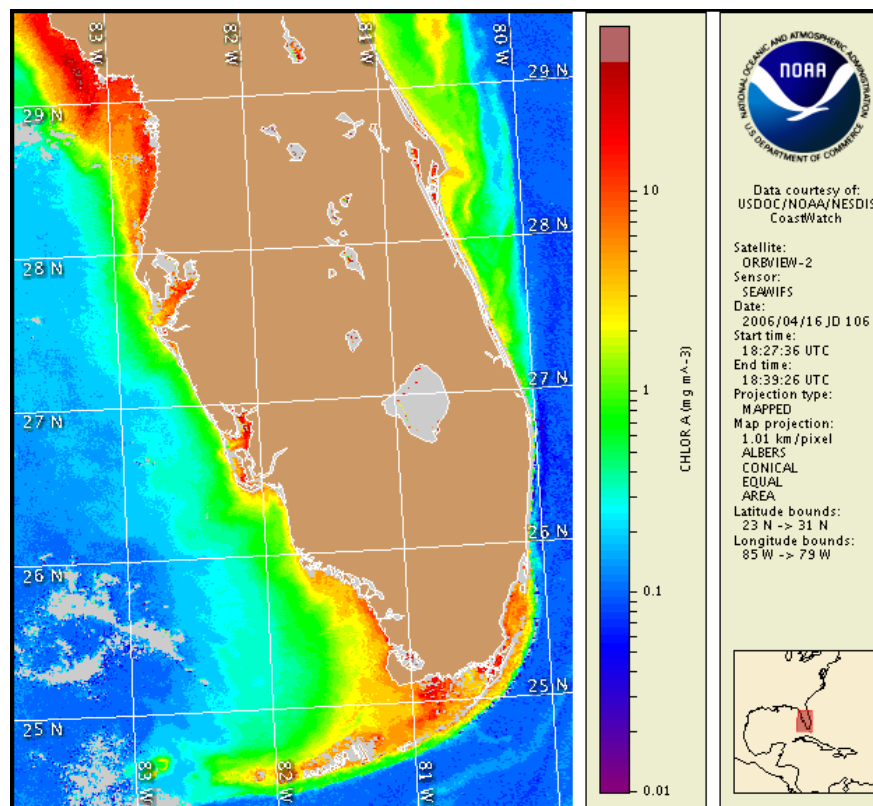
Conditions Report

No impacts are expected in any Florida Counties this week. Due to current harmful algal bloom inactivity, bulletins are issued each Monday, until conditions warrant continuance of twice weekly bulletins.

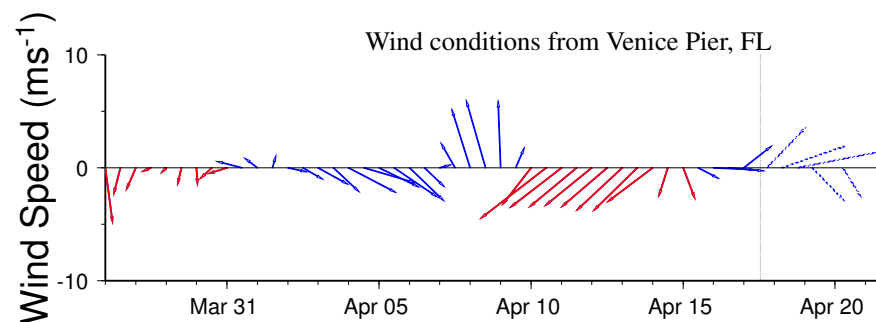
Analysis

No *Karenia brevis* was detected last week in any alongshore samples collected from Pinellas to Collier County (FWRI, 4/10-13). Imagery indicates a weakening in chlorophyll levels along much of the south-western Florida coastline over the past week. Remaining patches of elevated chlorophyll are attributed to the presence of various non-harmful algae populations. Continual reports of discolored water are possible. Conditions throughout the week are not favorable for nearshore *Karenia brevis* bloom formation.

~Fisher, Stolz



Satellite chlorophyll image with possible HAB areas shown by red polygon(s).



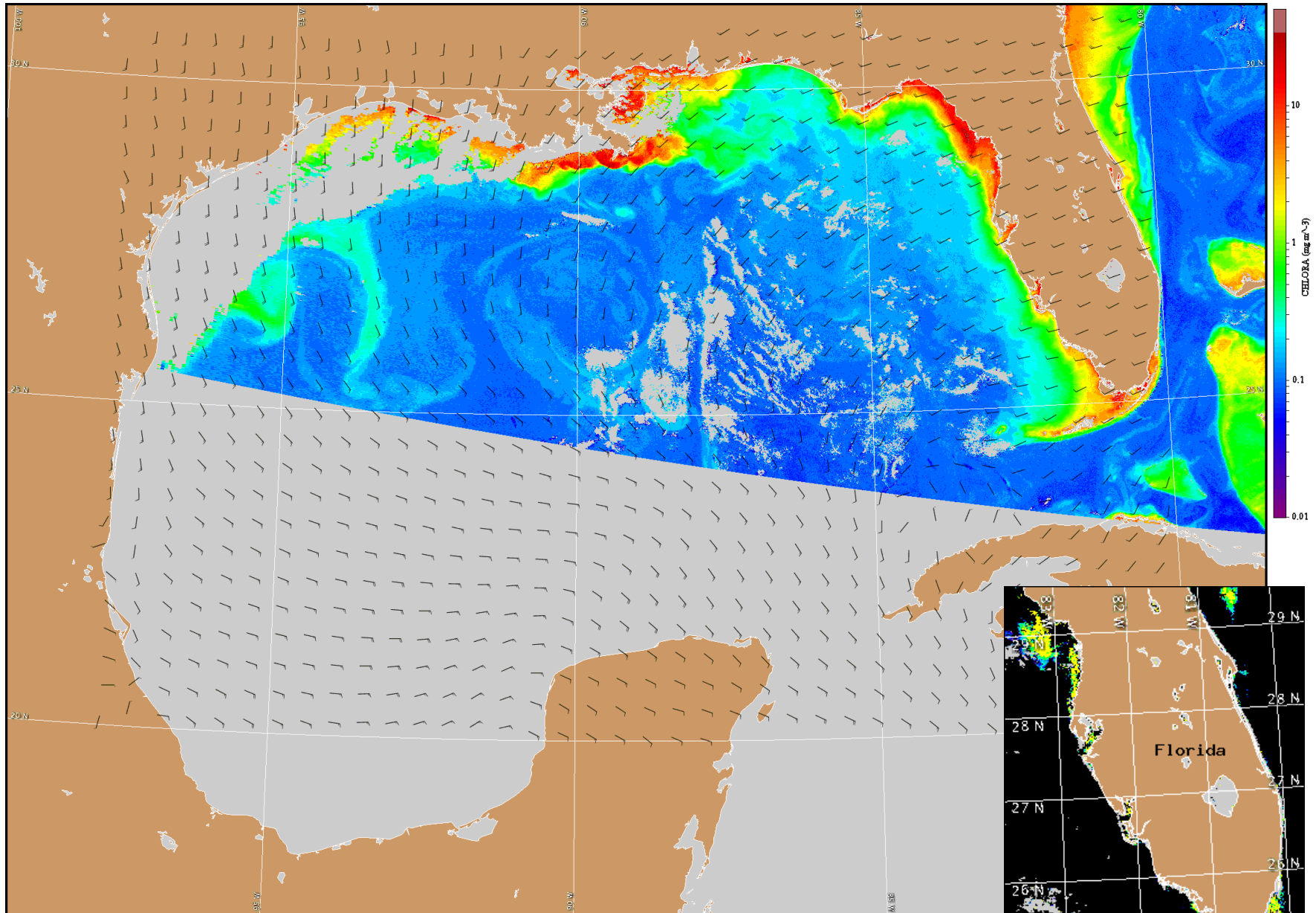
Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Southwesterly winds today (10-15kts, 5-8m/s) will become westerly tonight; shifting to north- westerlies (5-10kts, 3-5m/s) Tuesday night through Thursday. Easterly winds expected Friday.

Keys: Variable winds (5-10kts, 3-5m/s) today will continue through Wednesday. Easterlies on Thursday near 10kts (5m/s) with a shift to southeasterlies expected on Friday.

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1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive Orblmage approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for April 18, 2006 06Z.

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).

